(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/080134 A1

(51) International Patent Classification[7]: B60R 1/00, 11/02, 21/00, G03B 15/00, H04N 7/18

(21) International Application Number: PCT/JP2005/002835

(22) International Filing Date: 16 February 2005 (16.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-045462 20 February 2004 (20.02.2004) JP

(71) Applicant *(for all designated States except US)*: **SHARP KABUSHIKI KAISHA** [JP/JP]; 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, 5458522 (JP).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **TAKAHASHI, Toshiya. ITOH, Megumi. OKUDA, Mitsukazu. YAMAMOTO, Takeshi. MIAKE, Aki. DOI, Takeshi.**

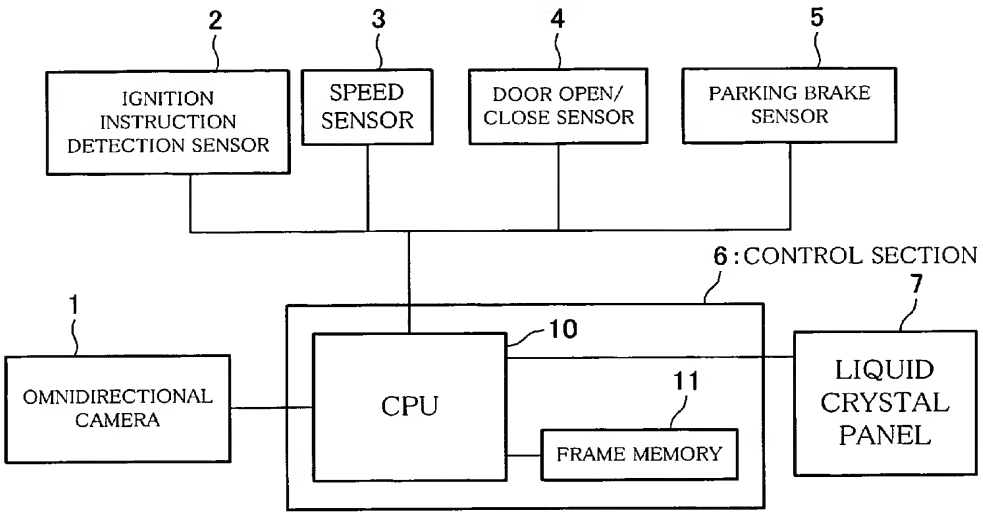
(74) Agent: **HARAKENZO WORLD PATENT & TRADEMARK**; Daiwa Minamimorimachi Building, 2-6, Tenjinbashi 2-chome Kita,Kita-ku, Osaka-shi, Osaka, 5300041 (JP).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SURROUNDINGS EXHIBITING SYSTEM AND SURROUNDINGS EXHIBITING METHOD



(57) Abstract: There is provided a system for showing a multi-directional image of surroundings of transportation device requiring a manual maneuver, when starting the transportation device in a parked state (stop state). The surroundings exhibiting system is constituted by an omnidirectional camera, an ignition instruction detection sensor, a control section including a CPU and a frame memory, and a liquid crystal panel. The omnidirectional camera captures an omnidirectional image of the surroundings around the transportation device in synchronization with a driver's ignition instruction detected by the ignition instruction detection sensor. Further, the captured image data is temporally stored in the frame memory, and the stored image data is sequentially transmitted to the liquid crystal panel so as to be displayed thereon.

WO 2005/080134 A1

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.